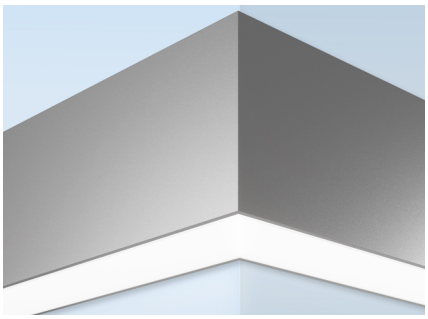
MARK ARCHITECTURAL LIGHTING

SPECIFICATIONS

TYPE:

PROJECT:



SLOT 4

WALL INDIRECT/DIRECT PATTERN

HIGHLIGHTS

- 600 to 3000 total lumens per foot
- 300 to 1500 lumens per foot Direct or Indirect
- Up to 166 Lumens per Watt
- Integrated control with optional nLight or nLight Air for system networking
- Driver options for Dim to Dark, 1% or 10% minimum dimming
- White, black or silver paint with satin finish
- Declare listed

FIXTURE PERFORMANCE

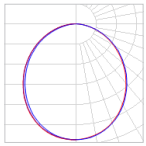
	Direct							
Nominal Lumens/Foot	300LMF	400LMF	600LMF	800LMF	1000LMF	1200LMF	1400LMF	1500LMF
Delivered Lumens/Foot	292	394	575	791	973	1192	1352	1442
Input Watts/Foot	2.39	3.14	4.68	6.33	7.96	10.00	11.93	13.01
Lumens/Watt	122	126	123	125	122	119	113	111

	Indirect							
Nominal Lumens/Foot	300LMF	400LMF	600LMF	800LMF	1000LMF	1200LMF	1400LMF	1500LMF
Delivered Lumens/Foot	325	405	610	797	1027	1225	1484	1580
Input Watts/Foot	1.95	2.55	3.82	4.85	6.19	7.54	8.98	9.78
Lumens/Watt	166	159	160	164	166	163	165	162

Based on a 4ft 35K fixture with standard lambertian distribution

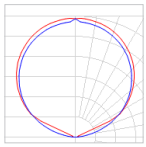
BAA BABA Declare. nLIGHT eldoLED

DIRECT DISTRIBUTION



Lambertian (No Optic)

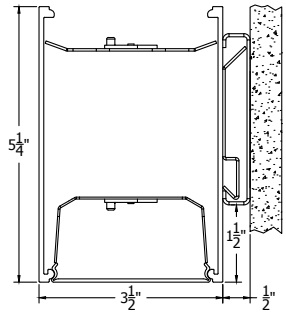
INDIRECT DISTRIBUTION



Lambertian (No Optic)

DIMENSIONS

See page 5 for additional details.



DIFFUSERS/SHIELDING

Flush Lens (FLL)

Edge View Lens (EGLD)

Top Glow (TGLD)

AcuityBrands

MARK ARCHITECTURAL LIGHTING™

SLOT 4
Wall Indirect/Direct Pattern

ORDERING

Example: S4WIDMP OPP 32FT 290IC 90CRI 35K 800LMF I90CRI I35K I1200LMF DARK FLL SCT MVOLT WHTT ZT

Series

S4WIDMP	Slot 4 Wall Indirect/Direct Master Pattern

Pattern Plan

CPP	Closed Pattern Plan
OPP	Open Pattern Plan
RPP	Rectangular Pattern Plan
SPP	Square Pattern Plan

For more information on Pattern Plans, see page 3.

Run Length

_FT	Specify pattern in total linear feet and inches, i.e., 24FT or 24FT6IN.

Unit length may affect available options. Please contact your Acuity representative for assistance.

Connectors

90IC[1]	90 Degree Horizontal Corner
900C[1]	90 Degree T Connector

For more information, see page 3.
1. Corner angles available from 40° - 160°. Replace the 90 with the appropriate corner degree to specify.

Direct Light Source Color Rendering

90CRI	90 CRI

Direct LED Color Temp

27K	2700K
30K	3000K
35K	3500K
40K	4000K
50K	5000K

Direct Lumen Output

300LMF	300 Lumens per FT
400LMF	400 Lumens per FT
600LMF	600 Lumens per FT
800LMF	800 Lumens per FT
1000LMF	1000 Lumens per FT
1200LMF	1200 Lumens per FT
1400LMF	1400 Lumens per FT
1500LMF	1500 Lumens per FT
_LMF	Specify Lumens between 300LMF - 1500LMF in 50LMF increments.

Lumen output may affect available options. Please contact your Acuity representative for assistance.

Indirect Light Source Color Rendering

I90CRI	90CRI

Indirect LED Color Temp

I27K	2700K
I30K	3000K
I35K	3500K
I40K	4000K
I50K	5000K

Indirect Lumen Output

I300LMF	300 Lumens per FT
I400LMF	400 Lumens per FT
I600LMF	600 Lumens per FT
I800LMF	800 Lumens per FT
I1000LMF	1000 Lumens per FT
I1200LMF	1200 Lumens per FT
I1400LMF	1400 Lumens per FT
I1500LMF	1500 Lumens per FT
_LMF	Specify Lumens between I300LMF - I1500LMF in 50LMF increments.

Lumen output may affect available options. Please contact your Acuity representative for assistance.

Switching

SCT	Single Circuit
DCT[1]	Dual Circuit

1. DCT is not available with sensors or NLTAIR2.

Minimum Dimming Level

NODIM[1]	No Dimming
MIN1	Constant Current Dimming to 1%
MIN10	Constant Current Dimming to 10%
DARK	Constant Current Dimming to 0.1%

1. NODIM is not available with Control Input or sensors.

Direct Shielding

FLL	Flush lens
EGLD[1]	Edge Glow Direct Lens

1. Only available in whole feet. Not available with NLTAIR2 or sensors.

Indirect Shielding

(blank)	No Indirect Shielding
TGLD[1]	Top Glow Lens
DC	Clear Dust Cover
DCF	Frosted Dust Cover

1. Only available in whole feet. Not available with E10WLCP, NLTAIR2.

Voltage

MVOLT	Multi-volt, 120-277
120	120V
277	277V
347	347V

Finish

WHTT	White, Satin
BLKT	Black, Satin
SLVT	Silver, Satin
RALTBD	RAL paint finishes.

RALTBD is for pricing only. Replace with applicable RAL number & finish when placing order. Click here for more information on our paint finishes.

Emergency Options

(blank)	No Emergency Options
_E10WLCP[1]	# of 10W Battery Packs, Constant Power, Self Diagnostics, T20 Compliant
WEC[2]	Emergency Circuit for Entire Pattern
_EC	# of Emergency Circuits
GTD[3]	Generator Transfer Device (Remote mounted)

Emergency options are not available in connectors. Please see page 7 for more information.
1. E10WLCP is not available with 2' sections or TGLD.
2. WEC is not available with NLIGHT, NLTAIR2 or sensors.
3. GTD is remote mounted. (See more information on page 9.) GTD is not available with MVOLT.

Control Input

(blank)	No Dim
ZT	0-10V
NLIGHT[1]	nLight Wired
NLTAIR2[2]	nLight Air 2 Wireless Enabled
DALI	DALI

1. NLIGHT comes with a white CAT5 cord in addition to the standard power cord. Will require remote mounted nIO, purchased separately, on fixtures less than 3'. One NLIGHT device per zone or sensor.
2. NLTAIR2 is only available with FLL. NLTAIR2 is not available with a 2' section & DCT.

Primary Sensor

(blank)	No Sensors/Zones
NS_	Primary Zone with No Sensor
ADC[1]	Daylight Dimming Sensor
PDT[1]	Dual technology Occupancy and Daylight Dimming Sensor
APIR	Passive Infrared Occupancy and Daylight Dimming Sensor
APDT	Dual Technology Occupancy, PIR and Microphonics Sensor

Sensors are only available with FLL lens. Sensors are not available with DCT, 347, NO DIM, WEC & DALI.
1. PDT or ADC are not available with NLTAIR2.

Secondary Sensor

(blank)	No Sensors/Zones
SNS_	Secondary Zone with No Sensor
SADC[1]	Daylight Dimming Sensor
SPDT[1]	Dual technology Occupancy and Daylight Dimming Sensor
SAPIR	Passive Infrared Occupancy and Daylight Dimming Sensor
SAPDT	Dual Technology Occupancy, PIR and Microphonics Sensor

Sensors are only available with FLL lens. Sensors are not available with DCT, 347, NO DIM, WEC & DALI.
1. SPDT or SADC are not available with NLTAIR2.

Tertiary Zone

(blank)	No Zones
TNS_	Tertiary Zone

Options

(blank)	No Options
BAA	Buy America(n) Act and/or Build America Buy America Qualified

NOTE: *Unit length and lumen outputs may affect available options. Please contact your Acuity representative for assistance.*

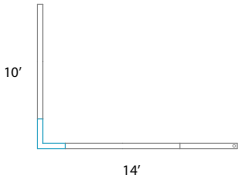
MARK ARCHITECTURAL LIGHTING™

SLOT 4
Wall Indirect/Direct Pattern

PATTERN ORDERING GUIDE

Slot 4 LED patterns can be configured in 1" increments with illuminated corners, X & T connectors. Corners are available between 40° and 160° in 1° increments. For custom angles, corners of junction lengths, consult factory.

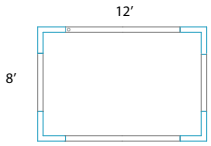
- 4 corners are required for SPP & RPP plans.
- The system will only price a maximum of 6 of each type of connector on one order line and up to 100 total feet. Please consult with quotations to determine pricing if over limits.
- Total Run Length = all sides of the pattern



Total run length = 24FT

190IC or 90IC = (1) 90° inside corner

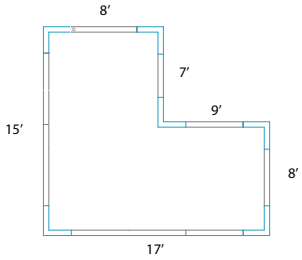
Nomenclature:
S4WIDMP OPP 24FT 190IC 90CRI 30K
600LMF I90CRI I30K I800LMF SCT DARK
MVOLT WHT ZT



Total run length = 40FT

490IC = (4) 90° inside corners

Nomenclature:
S4WIDMP RPP 40FT 490IC 90CRI 30K
600LMF I90CRI I30K I800LMF SCT MIN1
MVOLT WHT ZT



Total Run length = 64FT

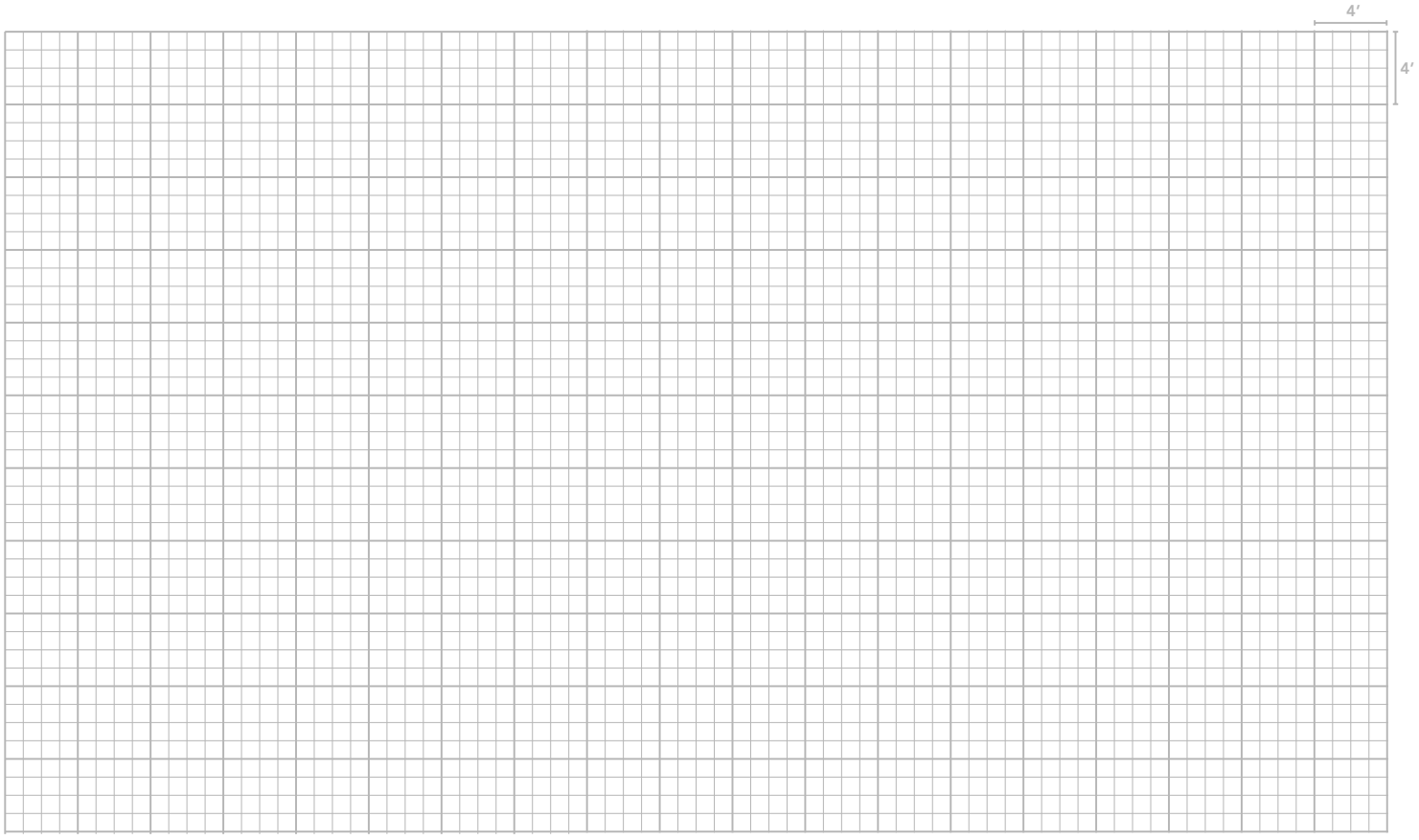
590IC = (5) 90° inside corners

1900C = (1) 90° outside corner

Nomenclature:
S4WIDMP CPP 64FT 590IC 1900C 90CRI 30K
600LMF I90CRI I30K I800LMF SCT MIN1
MVOLT WHT ZT

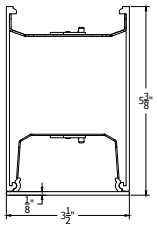
LAYOUT SKETCH

Please draw and configure your pattern plan below.



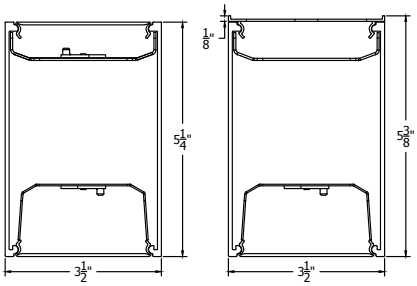
SHIELDING, OPTICS & CONNECTORS

Direct Shielding



EDGE GLOW LENS

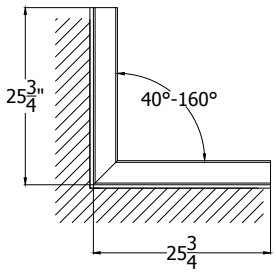
Indirect Shielding



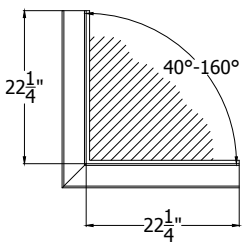
DUST COVER TOP GLOW

Run Patterns, Corners and Junction

Patterns can be configured in 1" increments with illuminated L connectors with standard 2' corner. L connectors are available in 40-160 degrees in 1 degree increments. For custom angles, corner or junction lengths, consult factory.



Inside Corner (IC)



Outside Corner (OC)

INTELLIGENT LUMINAIRE TECHNOLOGY GUIDE

Choose nomenclature from these columns

Driver Configurations

Minimum Dimming Level		Control Input	Dimming Range	Notes
NO DIM	+	(blank)	-	No 0-10V leads from the driver.
MIN10	+	ZT	100 to 10%	
MIN1	+	ZT	100 to 1%	
MIN1	+	NLIGHT	100 to 1%	
MIN1		ECOD	100 to 1%	Lutron Hi-lume 1% EcoSystem LED Driver with Soft-on, Fade-to-Black (model LDE1)
DARK		ZT	100 to 0.1%	
DARK		NLIGHT	100 to 0.1%	
DARK		DALI	100 to 0.1%	"Compatible with DALI. Formerly (EDB & EDAB) nomenclature." Logarithmic dimming

Choose nomenclature from these columns

Control / Sensor Configurations

Control Input		Sensor		Sensor	Notes
ZT	+	ADC	=	MSD ADC	Automatic dimming control integral photocell.
ZT	+	PDT	=	MSD PDT 7	Dual technology integral occupany sensor.
ZT	+	APIR	=	MSD 7 ADC	PIR integral occupancy sensor with automatic dimming control photocell.
ZT	+	APDT	=	MSD PDT 7 ADC	Dual technology integral occupany sensor with automatic dimming control photocell.
NLIGHT	+	(blank)	=	nIO EZ PH	nLight enabled only. No onboard sensor.
NLIGHT	+	ADC	=	nIO EZ PH + nES ADCX	Automatic dimming control integral photocell. nLight enabled.
NLIGHT	+	PDT	=	nIO EZ PH + nES PDT 7	360° Dual technology integral occupany sensor. nLight enabled.
NLIGHT	+	APIR	=	nIO EZ PH + nES 7 ADCX	360° PIR integral occupancy sensor with automatic dimming control photocell. nLight enabled.
NLIGHT	+	APDT	=	nIO EZ PH + nES PDT 7 ADCX	360° Dual technology integral occupany sensor with automatic dimming control photocell. nLight enabled.
NLTAIR2	+	(blank)	=	RIO EZDL EXT900 ACWH 90D G2	nLight AIR enabled only. No onboard sensor.
NLTAIR2	+	APIR	=	RES7 EXT900 ACWH 90D G2	PIR integral occupancy sensor with automatic dimming control photocell. nLight AIR enabled.
NLTAIR2	+	APDT	=	RES7 PDT EXT900 ACWH 90D G2	Dual technology integral occupany sensor with automatic dimming control photocell. nLight AIR enabled.

For more information, please consult our technical guides for nLight or nLight Air.

UL924 Sequence of Operation

The below information applies to all nLight AIR devices with an EM option.

- EM devices will remain at their high-end trim and ignore wireless lighting control commands, unless a normal-power-sensed (NPS) broadcast is received at least every 8 seconds.
- Using the CL**AIR**ITY+ mobile app, EM devices must be associated with a group that includes a normal power sensing device to receive NPS broadcasts.
- Only non-emergency rPP20, rLSXR, rSBOR, rSDGR, and nLight AIR luminaires with version 3.4 or later firmware can provide normal power sensing for EM devices. See specification sheets for control devices and luminaires for more information on options that support normal power sensing.

nLight® Wired Control Accessories
Order as separate catalog number

Wall Switches	Model Number
On/Off single pole	nPODMA (color)
On/Off two pole	nPODMA 2P (color)
On/Off single pole, dimming	nPODMA DX (color)
On/Off two pole, dimming	nPODMA 2P DX (color)
On/Off, two level	nPODMA 2L (color)
Graphic touchscreen	nPOD TOUCH (color)

For more information see nPOD and nPOD TOUCH spec sheets

nLight AIR® Control Accessories
Order as separate catalog number

Wall Switches	Model Number
On/Off single pole	rPODBA (color)
On/Off two pole	rPODBA 2P (color)
On/Off single pole, dimming	rPODBA DX (color)
On/Off two pole, dimming	rPODBA 2P DX (color)
On/Off, 4 scene control	rPODBA 4S (color)

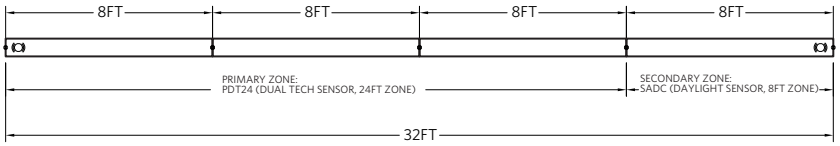
For more information see rPOD spec sheets

INTEGRATED SENSOR LAYOUT

For runs longer than 8FT:
ALWAYS order the run by the TOTAL RUN LENGTH. Ordering the sections individually will not provide the correct joining hardware to allow connection in the field.

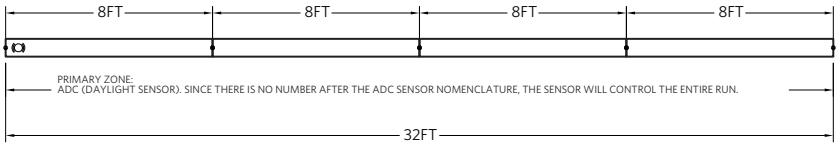
CORRECT:

32FT MSL8 RUN WITH 2 SENSORS WITH PRIMARY ZONE 24FT AND SECONDARY ZONE 8FT -- PDT24 SADC8



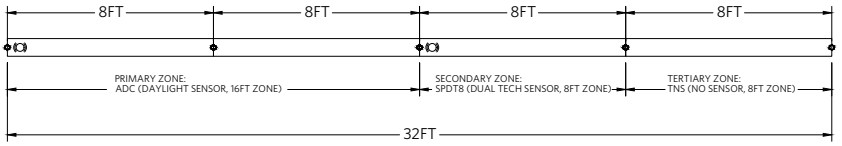
Total Run Length to Order

32FT MSL8 RUN WITH 1 SENSOR ALL ONE ZONE -- ADC



Total Run Length to Order

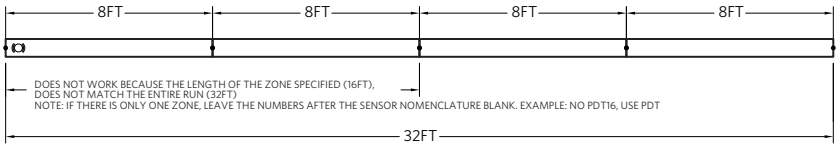
32FT MSL8 RUN WITH 2 SENSORS WITH PRIMARY ZONE 16FT, SECONDARY ZONE 8FT, AND TERTIARY ZONE 8FT-- ADC16 SPDT8 TNS8



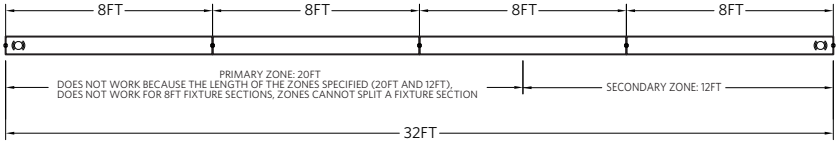
Total Run Length to Order

INCORRECT:

32FT MSL8 RUN WITH 1 SENSOR ALL ONE ZONE -- PDT16



32FT MSL8 RUN WITH 2 SENSORS WITH PRIMARY ZONE 20FT AND SECONDARY ZONE 12FT -- PDT20 SADC12



Notes:
- Only one sensor per zone
- At the most, the entire run can only have 2 sensors (thus 2 sensors zones at the most)
- Sensor zone can not split fixture sections
- No overlapping zones

OCCUPANCY DETECTION COVERAGE

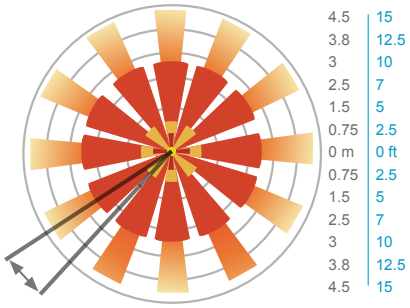
At the 7.5 ft (2.9 m) hanging height of a typical pendant mount fixture the sensor provides 10 ft (3.05 m) radial detection of small motion. At a 9 ft (2.74 m) hanging height the radius is 12 ft (3.66 m) for small motion.

Adequate for walking motion detection from mounting heights between 7.5 ft (2.29 m) and 20 ft (6.10 m).

Initial detection will occur earlier when walking across sensor's field of view than when walking directly at sensor.

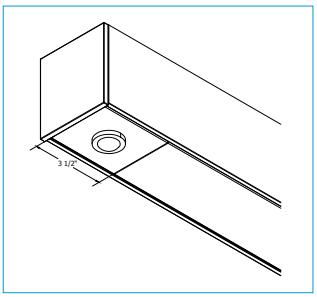
Initial detection of walking motion into long coverage segment will occur at distances of 2x the mounting height up to 15 ft (4.57 m) and 1.75x up to 20 ft (6.10 m). Lens assembly rotates 15° to enable adjustment in order to line up long segments.

Lens rotates 15° to enable adjustment



Integrated Controls

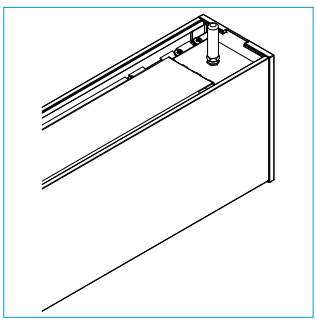
Optional nLight® integrated controls make Slot LED luminaires addressable- allowing them to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors and photocontrols. Simply connect all the nLight enabled control devices using standard CAT5 Cabling (included).



Occupancy Sensor and/or Photocell

nLight Air Wireless Antenna Location

Note: Antenna will be shipped separately and will need to be attached to the coax connector.

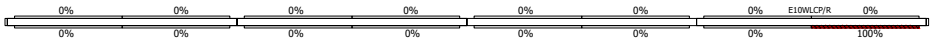


EMERGENCY OPTIONS

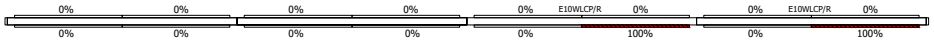
Emergency Battery Packs

The PS1055LCP battery is integral to the fixture and comes standard with a remote test switch and self-diagnostics.
Only direct light portion operated by emergency, as indicated below. Battery packs cannot be placed in the connectors.

E10WLCP

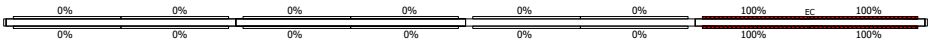


Multiple E10WLCP



Emergency Circuits

EC



Multiple EC

WEC

Note: *Whole run on emergency circuit*

WEC

Note: *Whole run on emergency circuit nltAIR2/nLight PP in first fixture*

WEC

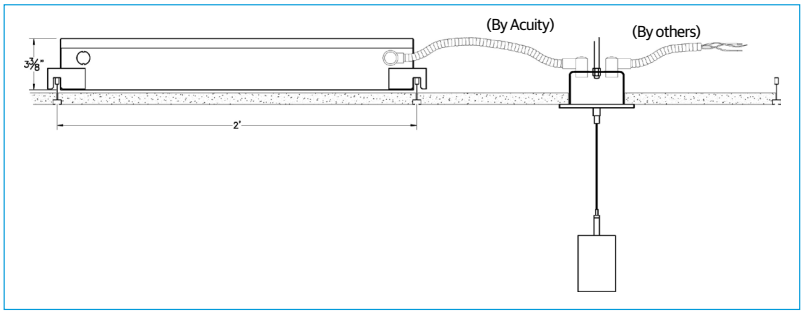
Note: *Whole run on emergency circuit nltAIR2/nLight PP in second fixture*

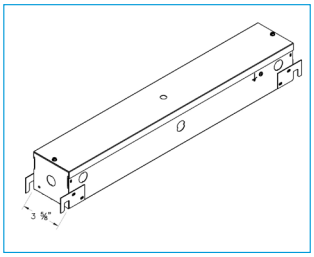
How to Estimate Delivered Lumens in Emergency Mode
Use the formula below to estimate the delivered lumens in emergency mode
Delivered Lumens = 1.25 x P x LPW
P = 10W for PS1055LCP
LPW = Lumen per watt rating of the luminaire This information is available on page 1 of this spec sheet or appropriate IES file.

Section Length	E10WLCP	EC
U2	None	Entire unit
U3	None	Entire unit
U4	Entire unit	Entire unit
U5	Last 3'	Entire unit
U6	Last 3'	Entire unit
U7	Last 4'	Entire unit
U8	Last 4'	Entire unit

Remote GTD Mounting Option

Recessed in ceiling. Consult factory for other ceiling types or canopy options.
6 foot flexible conduit included, GTD option should be mounted within 6 feet of junction box above fixture.





Accessible Ceiling

SPECIFICATIONS

Housing
One-piece extruded aluminum housing

Finish
Standard colors for fixtures and end caps are polyester powder coated white, black, or silver with satin sheen. Consult factory for custom colors and RAL color options.

Lenses/Shielding
Indirect: Clear acrylic, dust cover (DC), frosted, acrylic dust cover (DCF), Extruded acrylic top glow lens (TGLD).

Direct: Extruded acrylic lens (FLL) and edge glow lens (EGLD).

LED Components
Multiple lumen packages available with 2700K, 3000K, 3500K, 4000K and 5000K CCT. The Acuity Brands circuit boards for the linear LED components use a precise binning algorithm which creates a consistent color temperature from board to board. The color a variation of no greater than a 2.5 Step MacAdam (2.55DECM) along the black body locus from board to board.

Electrical
Long-life LEDs, coupled with high-efficiency drivers, provide superior quantity and quality of illumination for extended service life. 90% LED lumen maintenance at 60,000 hours (L90/60,000).

Circuits
Single and dual switching options available. Dual switching offered with shared neutral.

Controls System Networking Options
Optional integrated nLight® controls make each fixture addressable - allowing it to digitally communicate with other nLight enabled controls such as dimmers, switches, occupancy sensors, and photocontrols. Connection to nLight is simple. It can be accomplished with remote nLight AIR wireless or through standard Cat-5 cabling. (cabling "by others") nLight offers unique plug-and-play convenience as devices and luminaires automatically discover each other, while nLight AIR is commissioned easily through an intuitive mobile app.

Emergency Battery (Optional)
Integral emergency battery (E10WLCP) for 90 minutes of operation. Emergency battery pack, 10W, Linear Constant Power Certified in CA Title 20 MAEDBS.

Remote generator transfer device (GTD) works in conjunction with an auxiliary generator or a central inverter system to power fixtures for safe egress lighting.

Dimming Drivers
Factory tuned constant current electronic dimming driver is standard. Flicker free dimming available down to <1%. LED drivers perform within the recommended operating areas for flicker as a function of frequency and modulation (%) IEEE Standard 1789-2015 (IEEE Recommended Practices for Modulating Current in High-Brightness LEDs for Mitigating Health Risks to Viewers), in typical operating conditions at representative dimming levels. Electrical specifications at maximum driver load: PF > 0.9 and THD <20%. Meets FCC Title 47 Class A or Class B. Other available drivers include Lutron and DALI protocol drivers. All drivers are RoHS compliant.

Environment
Suitable for damp location. Indoor use only.

Certification
CSA certified to meet U.S. and Canadian standards (UL1598 and UL8750).

Ambient Operating Temperature
-20°C (-4° F) to +25°C (+77°F).

Government Procurement
BAA – Buy America(n) Act: Product qualifies as a domestic end product under the Buy American Act as implemented in the FAR and DFARS. Product also qualifies as manufactured in the United States under DOT Buy America regulations.
BABA – Build America Buy America: Product qualifies as produced in the United States under the definitions of the Build America, Buy America Act.
Please refer to www.acuitybrands.com/buy-american for additional information.

Fixture Weight
1 lb per foot, less packaging.

Warranty
5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

Note: *Actual performance may differ as a result of end-user environment and application.*
All values are design or typical values, measured under laboratory conditions at 25 °C.
Specifications subject to change without notice.

